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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/603,601	06/26/2003	Hiroyuki Tadokora	C14-158122M/TRK	2915
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MCGINN INTELLECTUAL PROPERTY LAW GROUP, PLLC 8321 OLD COURTHOUSE ROAD SUITE 200 VIENNA, VA 22182-3817				
			EXAMINER GOOD JOHNSON, MOTILEWA	
			ART UNIT 2677	PAPER NUMBER

DATE MAILED: 12/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/603,601

Applicant(s)

TADOKORA ET AL.

Examiner

Motilewa Good-Johnson

Art Unit

2677

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 26 June 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,5,7,9,10,13 and 15 is/are rejected.
- 7) ☒ Claim(s) 3,4,6,8,11,12,14 and 16 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 2, 5 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ko, U.S. Patent Number 6,816,366, in view of Nakajima et al., U.S. Patent Number 5,637,928.

Regarding claims 1 and 5, Ko discloses a display apparatus comprising: a main unit (102, main portion, which Examiner interprets as main unit); a display unit mounted to the main unit (104) so as to be accommodatable and projectable in and from the main unit (col. 3, lines 40-43, the display unit can be opened and closed relative to the main portion, which Examiner interprets as projectable in and from the main unit); an operation panel (112) detachably attached to the main unit or to the display unit (col. 3, lines 59-60, the operating panel is detached from the main unit)

However, it is noted that Ko fails to disclose a controller adapted to control operations of accommodating and projecting the display unit in and from the main unit, wherein when the operation panel is detached/attached from the main unit or the

Art Unit: 2677

display unit in a state where the display unit is projected from the main unit, the controller controls to accommodate the display unit into the main unit.

Nakajima discloses a main unit (10, instrument body, which Examiner interprets as main unit); display unit mounted to the main unit (130); a operation panel (30, face plate, which Examiner interprets as operation panel); and further discloses a controller (40, CPU which Examiner interprets as controller, col. 8, lines 37-67, control system) to control operations of accommodating and projecting the display to accommodate the display unit into the main unit (col. 9, lines 8-11, disconnecting in response to mounting and dismounting of the panel)

It would have been obvious to one of ordinary skill in the art at the time of the invention to include in the motherboard disclosed in Ko, the microcomputer control means as disclose in Nakajima, to all for detachable panels and disengaging of vehicle parts to prevent theft.

Regarding claims 2 and 7, Nakajima discloses wherein the controller switches the main unit into an unpowered mode in which a power supply to the main unit is interrupted or into a sleep mode in which only minimum sections of the main unit are powered, after the display unit is accommodated within the main unit (col. 9, line 66 – col. 10, line 13)

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 9, 10, 13 and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakajima, U.S. Patent Number 5,637,928.

Regarding claims 9 and 13, Nakajima discloses a controller for controlling operations having a main unit, a display unit mounted to the main unit so as to be accommodatable and projectable in and from the main unit, and an operation panel detachably attached to the main unit or to the display unit, the controller comprising: a display control part adapted to control the display unit to accommodate into the main unit when the operation panel is detached/attached from the main unit or the display unit in a state where the display unit is projected from the main unit (col. 9, lines 8-11)

Regarding claims 10 and 15, Nakajima discloses further comprising a power control part adapted to switch the main unit into an unpowered mode in which a power supply to the main unit is interrupted or into a sleep mode in which only minimum sections of the main unit are powered, after the display unit is accommodated within the main unit (col. 9, line 66 – col. 10, line 13)

***Allowable Subject Matter***

5. Claims 3, 4, 6, 8, 11, 12, 14 and 16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter: The prior art cited fails to render obvious the controller controls to accommodate the display unit in a main unit after a predetermined period of detachment from the main unit or display unit and further an alarm sound when the display is accommodated into the main unit.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Motilewa Good-Johnson whose telephone number is (571) 272-7658. The examiner can normally be reached on Monday, Tuesday and Wednesday 9:00 AM - 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amr Awad can be reached on (571) 272-7764. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2677

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Motilewa Good-Johnson  
Examiner  
Art Unit 2677

mgj

AMR A. AWAD  
PRIMARY EXAMINER  
